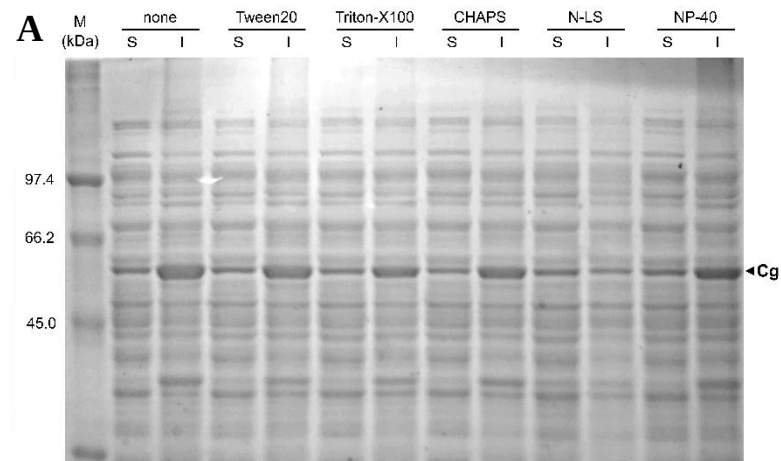
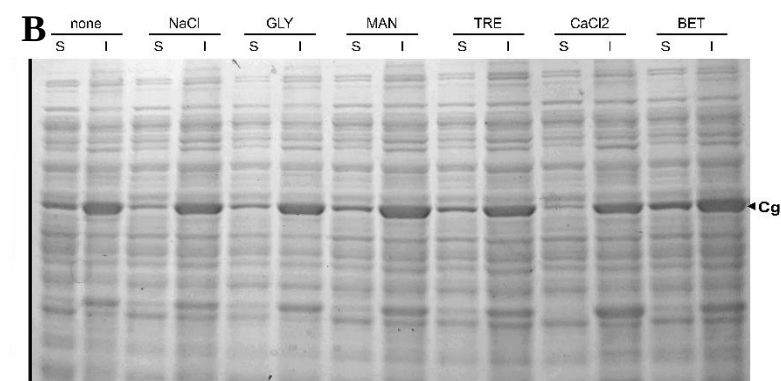


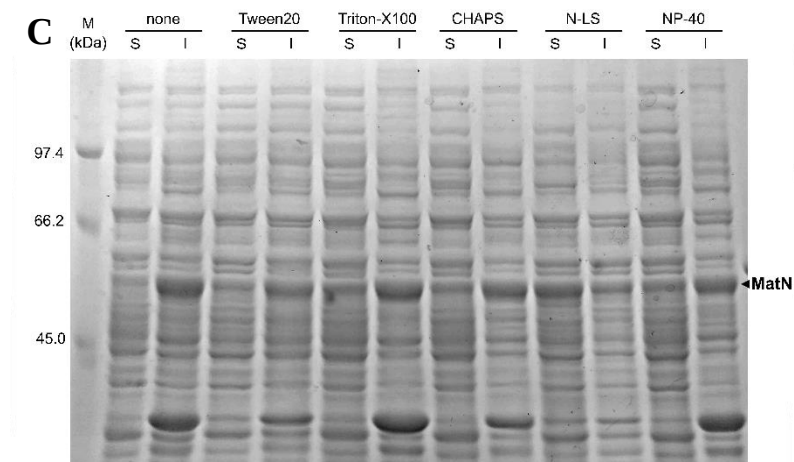
ADDITIONAL FILE 2



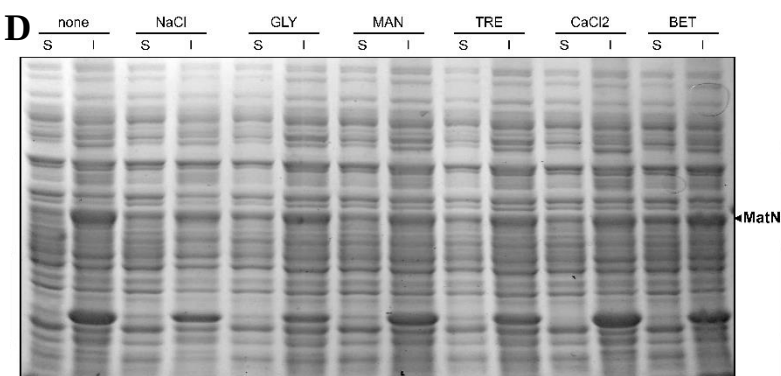
Detergent	S+I	% soluble
none	3,64	27,48
Tween-20	3,14	31,82
Triton X-100	2,57	36,20
CHAPS	2,71	28,83
NLS	1,82	57,18
NP-40	3,41	30,86



Osmolyte	S+I	% soluble
none	3,64	27,46
NaCl	2,80	25,88
Glycerol	3,48	28,76
Mannitol	2,70	28,99
Trehalose	2,44	34,90
CaCl ₂	1,76	17,37
Betaine	3,22	38,03



Detergent	S+I	% soluble
none	4,59	21,81
Tween-20	3,77	32,62
Triton X-100	4,91	29,96
CHAPS	4,53	34,88
NLS	4,97	68,81
NP-40	3,73	26,23



Osmolyte	S+I	% soluble
none	4,63	21,61
NaCl	4,65	27,95
Glycerol	4,63	46,45
Mannitol	3,74	36,96
Trehalose	3,42	49,34
CaCl ₂	4,64	27,28
Betaine	4,31	45,33

Impact of different detergents and osmolytes on soluble Cg and MatN endolysin recovery. Detergents (0.5% v/v Tween 20, Triton-X100 or Nonidet P40; 0.5% w/v CHAPS or N-lauroylsarcosine) [panels A and

C] and osmolytes (300 mM NaCl, 25% glycerol, 0.5 M mannitol, 0.75 M trehalose, 5 mM CaCl₂, 1 M glycine betaine) [panels B and D] were added to the lysis buffer prior to cell pellet disruption by bead beater homogenizer. Upon SDS-PAGE and image acquisition, the ratio of soluble (S)/total recombinant endolysin (S+I) was calculated.